

<p>2002-406026/44 E17 H04 CHPE- 1996.11.15 CHINA PETRO-CHEM CORP *CN 1182639-A 1996.11.15 1996-120650(+1996CN-120650) (1998.05.27) B01J 23/72, C07C 31/20 Catalyst for production of 1,4-butanediol by gas phase hydrogenation C2002-114145 Addnl. Data: WANG H, FENG W, TONG L</p>	<p>E(10-E4A, 11-D) H(4-E8, 4-F2E) N(2-D, 3-B1, 3-D1, 3-F, 7-B)</p>
<p><u>NOVELTY</u> A catalyst for the preparation of 1,4-butanediol by gas-phase hydrogenation of cis-butene dioic anhydride and/or its ester</p> <p><u>DETAILED DESCRIPTION</u> Catalyst comprises $\text{CuCr}_a\text{Zn}_b\text{Ti}_c\text{O}_x$, where $a = 0.7-1.5$, $b = 0.05-1.2$, $c = 0.1-1.0$ and X = the corresponding oxygen atomic number for satisfying the atomicity of each metal.</p> <p><u>ADVANTAGE</u> Under a gas phase volume idle speed of the cis-butenedioic anhydride and/or its ester as high as 100/hour, it can give a conversion rate of anhydride and/or its ester of above 99 mole%, with a selectivity of 1, 4 butanediol of above 80.0 mole%.</p>	<p>(DwgNo.0/0)</p> <p>CN 1182639-A</p>